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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/926,446	01/28/2002	Youichi Hashimoto	011435	4244

38834 7590 05/05/2004

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EXAMINER

PATEL, RAMESH B

ART UNIT	PAPER NUMBER
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2121

DATE MAILED: 05/05/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/926,446

Applicant(s)

HASHIMOTO, YOUICHI

Examiner

Ramesh B. Patel

Art Unit

2121

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 3.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

1. Claims 1-4 are presented for examination.

**Information Disclosure Statement**

2. The information disclosure statement (IDS) submitted on 1/17/2002 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement being considered by the examiner.

**Specification**

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

**Claim Objections**

4. Claims 1 and 3 are objected to because of the following informalities:

Claim 1, line 3 includes the terms "acceleration, time" should be "acceleration time" to remove the comma after "acceleration".

Claim 1, line 7 includes the terms "peed" should be "speed".

Claim 3, line 4 includes the terms "at free timing" it appears to be not clear and/or not appropriate terms in the claim.

Applicant is suggested to review entire disclosure and make appropriate correction as required.

**Claim Rejections - 35 USC § 112**

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-4 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites the limitation "said arbitrary speed pattern generator units solely" and "said plurality of arbitrary speed pattern generator units". There is insufficient antecedent basis for this limitation in the claim.

Dependent claims, which are not particularly rejected, are rejected based on the rejected base claim.

**Claim Rejections - 35 USC § 102**

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 are rejected under 35 U.S.C. 102(b) based upon a public use or sale of the invention. Claims 1-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Kogawa (US Patent 4,348,731).

As to claim 1, Kogawa teaches the invention including a programmable controller comprising a speed pattern generator including speed pattern generator units that receive input of all of the amount of movement, speed, acceleration time and deceleration time and calculate a desired speed pattern for output to a servomotor wherein said speed pattern generator includes a plurality speed pattern generator units to generate desired speed pattern by operating one for a arbitrary speed pattern generator units solely or plurality of arbitrary speed pattern generator units simultaneously (see, abstract and figures 2-8 and col. 2, lines 35-64 and col. 5, lines 16-67).

As to claim 2, Kogawa teaches the programmable controller comprises a user operation portion, the speed pattern generator outputs the calculated speed pattern to said user operation and an output is sent from said user operation portion to the servomotor (see, abstract and figures 2-8 and col. 2, lines 6, lines 35-64).

As to claim 3, Kogawa teaches the programmable controller wherein the user operation can be started and stopped by user at desired time by the user (see, abstract and figure 2 and col. 5, lines 16-44).

As to claim 4, Kogawa teaches the programmable controller the speed pattern generator units store trapezoidal waveforms having arbitrary shapes and a desired speed pattern is generated as a composite pattern that is geometrically superposed


based on the algebraic sum of these trapezoidal waveforms (see, abstract and figures 4-8 and col. 5, line 16 to col. 6, line 18).

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramesh B. Patel whose telephone number is 703-308-6673. The examiner can normally be reached on M-Th; 7:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Knight can be reached on 708-308-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Ramesh B. Patel  
Primary Examiner  
Art Unit 2121